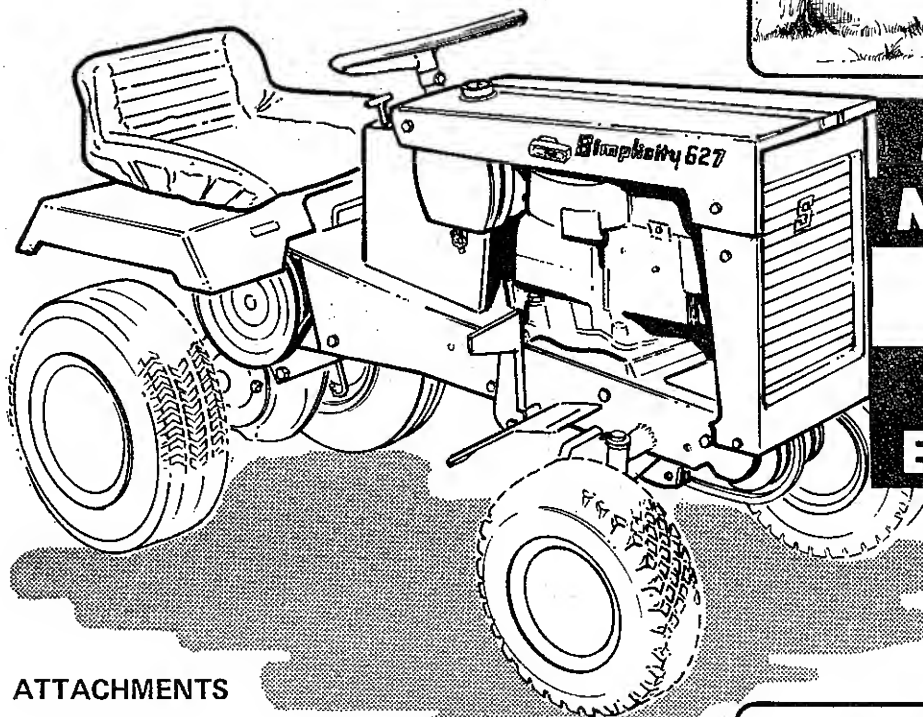
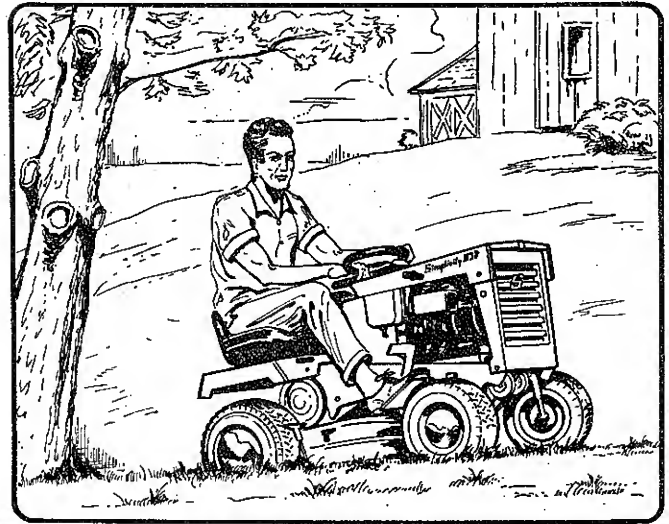


Simplicity



**Mfrs. No. 486
MANUAL START**

**Mfrs. No. 542
ELECTRIC START**

ATTACHMENTS

FRONT WEIGHT KIT
REAR WEIGHT
REAR WHEEL WEIGHT
42" SNOW PLOW & DOZER
40" GRADER BLADE

MFR. NO. 466
MFR. NO. 300
MFR. NO. 449
MFR. NO. 299
MFR. NO. 298

YEOMAN 627



1629

LITHO IN U. S. A.

SIMPLICITY MANUFACTURING COMPANY

WARRANTY

The company warrants Simplicity Products to be free from defects in material and workmanship except the company makes no warranty express or implied with respect to tires, engines and engine accessories which generally are warranted by their respective manufacturers. Any part covered by this warranty which is proven defective within one year, under normal use, from date of purchase, will be replaced free of charge, f. o. b. Port Washington, Wisconsin, provided such part is returned to factory transportation charges prepaid and is found to be defective upon examination at the factory. The company is not obligated under this warranty to bear cost of labor or delivery charges in replacement of defective parts. This warranty does not apply to any Simplicity Products altered outside of Simplicity's factory. Such replacement of defective parts shall be the exclusive remedy and in no event shall Simplicity be liable for consequential damages, EXCEPT AS SPECIFICALLY PROVIDED HEREIN, THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON ANY SIMPLICITY PRODUCT.

Should warranty service be necessary, the information below should be presented to the authorized SIMPLICITY Dealer.

Customer's Name _____

Address _____

Mfg. No. _____ Serial No. _____

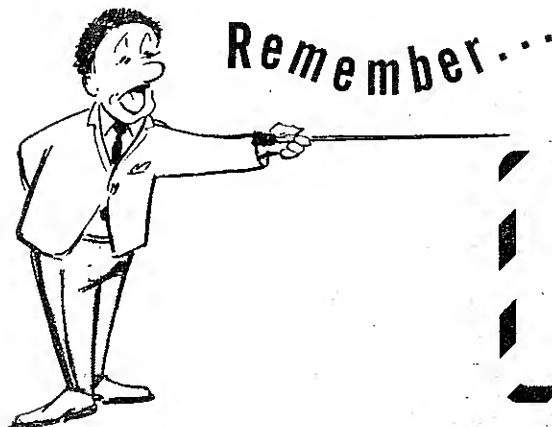
Date Purchased _____

Purchased From _____

Address _____

Engine Model No. _____ Serial No. _____ Type No. _____

To obtain replacement parts from dealer, advise quantity, part number and description.



FOR YOUR SAFETY

1. ALWAYS STOP ENGINE BEFORE LEAVING MACHINE
2. ALWAYS STOP ENGINE BEFORE SERVICING OR ADJUSTING MACHINE OR EQUIPMENT
3. ALWAYS KEEP HANDS, FEET AND CLOTHING AWAY FROM POWER-DRIVEN PARTS

PACKING

This tractor is delivered complete in one carton. The carton contains:

- 1 - Tractor Assembly
- 1 - Steering Wheel
- 1 - Seat Cover Assembly
- 1 - Hardware Pack

Should shortages of any of the above items occur, advise by stating packer's number listed on green packing slip, serial number of tractor, part number & description of items missing.

ASSEMBLY

This tractor is shipped completely assembled except for the steering wheel and seat cover assembly. Position the wheel on the steering post as shown in Figure 1 and secure with the 5/16" screw and lock nut provided. Attach the seat cover to the seat pan assembly.

NOTE

On Electric Start Models remove hood and battery. Service battery in accordance with Battery Instructions.

ENGINE LUBRICATION

1. ENGINE LUBRICATION - Refer to the engine manufacturer's instruction manual for information concerning location of the crankcase filler plug, and the oil capacity of the crankcase.

NOTE: It is important that you pay attention to "Service Designation" stamped on the top of each can of oil you intend using in your tractor engine. Use oil labeled MS (Motor Severe), but do not use ML or MM labels as they do not contain sufficient additives for proper protection. Labels DL and DM may be used also; however, do not use a DS label oil as it is too severe in detergent quality for this application. Be sure to use a premium grade oil and change at least every 24 hours of operation.

2. ENGINE AIR CLEANER - Refer to the engine manufacturer's instruction manual for information concerning the type and quantity of oil to be used in the air cleaner. Inspect the air cleaner element frequently to insure cleanliness, and under dusty or dirty operating conditions, check and clean daily if necessary.

3. ENGINE COOLING - The engine used on your tractor is an air-cooled engine and requires that the fins on the head and cylinder be kept free of heavy layers of dirt and foreign material. If the air flow is obstructed by grass, etc., piled up on the recoil starter screen, or dirt is allowed to nullify the purpose of the cooling fins on the cylinder head and cylinder, proper cooling cannot take place, and the life of the engine will be shortened.

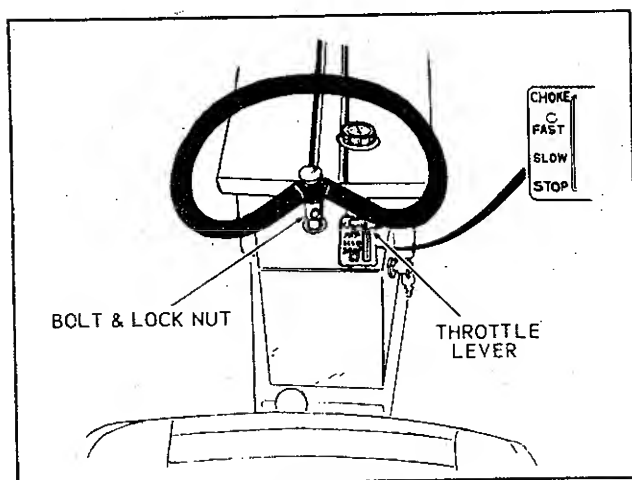


Figure 1

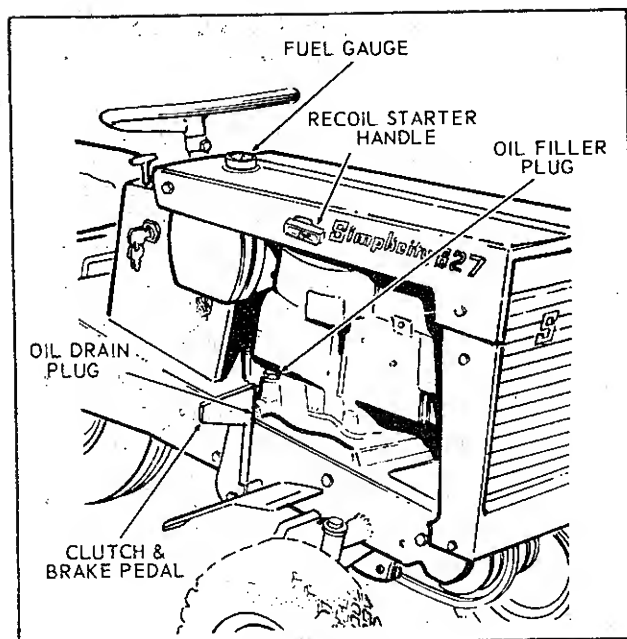


Figure 2

TRACTOR LUBRICATION

Grease fittings are located on both front spindle housing, on the front wheels and at the pivot point under tractor frame. In normal use, these fittings (5 in all) should get two or three shots of a good grade of automotive type multi-purpose grease, every 15 to 20 hours of operation. Be sure to wipe the fittings clean before you apply the grease gun, or dirt and grit will be carried into the bearings with the application of grease.

The tractor transmission is lubricated with SAE 90 oil and is filed up to the level of the threads in the filler-plug hole. Check the transmission for oil before operating the tractor initially, and occasionally check the filler and drain plugs for tightness. Unless the transmission is disassembled or the oil seals leak, the transmission lubricant need not be replenished or replaced. Allow the tractor to sit still for a period of time before checking transmission oil level. This will allow the oil dispersed in transmission to drain down to its normal position.

Occasionally lubricate the pivots for the clutch lever and pivots for the PTO and the front axle steering links and gears. Use a regular medium weight oil for this purpose.

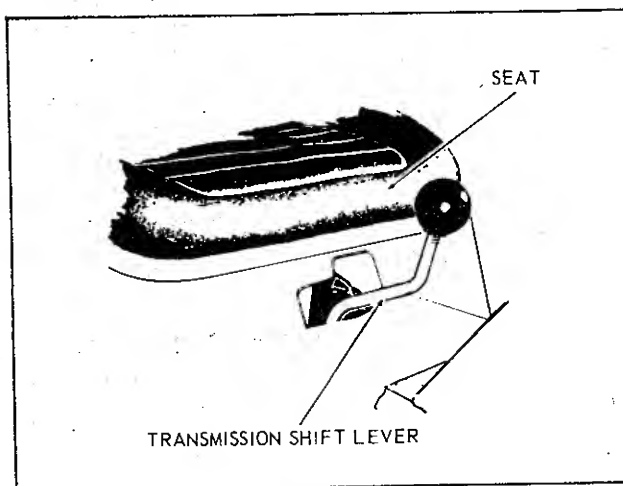
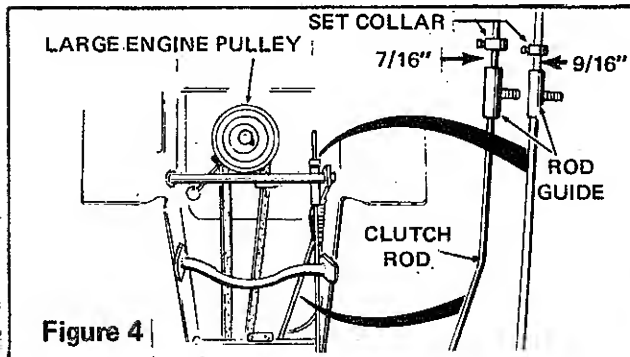


Figure 3

BRAKE and CLUTCH ADJUSTMENT

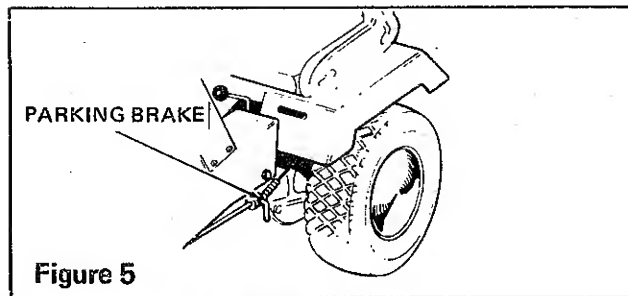
Operation of clutch and brake is regulated by clutch & brake pedal shown in Figure 2.

Depress the pedal and the clutch idler pulley is released and the brake is applied at the same time. Release the pedal and the clutch idler is engaged and the brake is released. The adjustment is regulated by positioning the set collars on the clutch and brake rods so that a clearance of $7/16"$ exists between the set collar and the rod guides when the clutch and brake pedal is released, as shown in Figure 4.



PARKING BRAKE

To operate the parking brake, hold the brake pedal depressed and slide the parking brake lever all the way to the rear and turn the lever in a clockwise direction until it is tight. See Figure 5. To release the parking brake, turn the parking brake lever in a counter-clockwise direction until the brake pedal is released.



STARTING ENGINE

The proper procedure for starting the engine is as follows:

1. Sit upon the tractor seat.
2. Depress the clutch pedal Figure 2 with the right foot.
3. Move the throttle lever Figure 1 to the CHOKE position.
4. Grasp the handle of the recoil starter Fig. 2 with the right hand and pull sharply toward you. If engine starts on first pull slowly move the choke and throttle lever to the "Run" position as the engine warms up. Should the engine fail to start on the first or second pull, move the choke and throttle lever to the "Run" position to avoid flooding the engine with fuel. When re-starting a warm engine, it should not be necessary to use the choke.

NOTE On Electric Start Models follow above instructions using key instead of recoil rope. Check to insure that throttle control lever is in the CHOKE or RUN position before using key starter.

FORWARD or REVERSE TRAVEL

Travel direction of the tractor is regulated by the position of the transmission shift lever, Figure 3. Merely depress the clutch pedal, Figure 2 with the right foot, and with the heel of your hand, move the shift lever into the desired 1st, 2nd, 3rd or reverse position. Slowly release the clutch lever and move off, regulating speed of travel by the position of the throttle lever.

STOPPING ENGINE

When stopping engine or parking tractor, keep the transmission in gear and depress clutch pedal to a point where the brake is applied and place choke and throttle lever in the "Stop" position. Hold clutch pedal all the way in until engine stops, then release.

NOTE On Electric Start Models tractor can be stopped by placing throttle lever in STOP position or by turning key in the OFF position.

UNDERSIDE INSPECTION

The underside of the tractor is readily accessible in the following manner:

1. Drain all fuel from the fuel tank by removing the fuel line from the carburetor and draining into a suitable container.
2. Remove the air cleaner from the carburetor.
3. Place the transmission in "LO" gear to prevent the rear wheels from turning, and raise up the front end of the tractor until the tractor stands in a vertical position, resting the back edge of the seat level with the ground. With the tractor in this position, inspection of belts and linkages may be carried out with ease. While it is possible for one man to raise the tractor to this position, it obviously will be easier if two men perform this together.

HOOD REMOVAL

To remove the tractor hood, use the following procedure:

1. Loosen the four screws at the sides of hood.
2. Push the recoil starter handle inside of the hood opening.
3. Remove the hood by lifting up and forward, to clear the steering wheel. To replace the hood, reverse the order of above steps.

BATTERY

The 12 volt battery provided in the starter kit will provide approximately 75 to 100 starts without recharging. It is recommended that the battery be recharged with the charger provided weekly.

CHARGER ASSEMBLY

The Charger Assembly is provided with the starter kit. Insert the male connector into the connector located to the right of the battery. Plug the remaining end of the Charger Assembly to the standard 110 household outlet. See Figure 6.

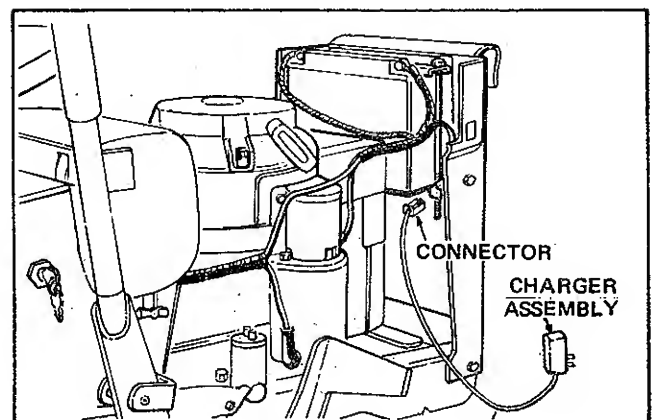
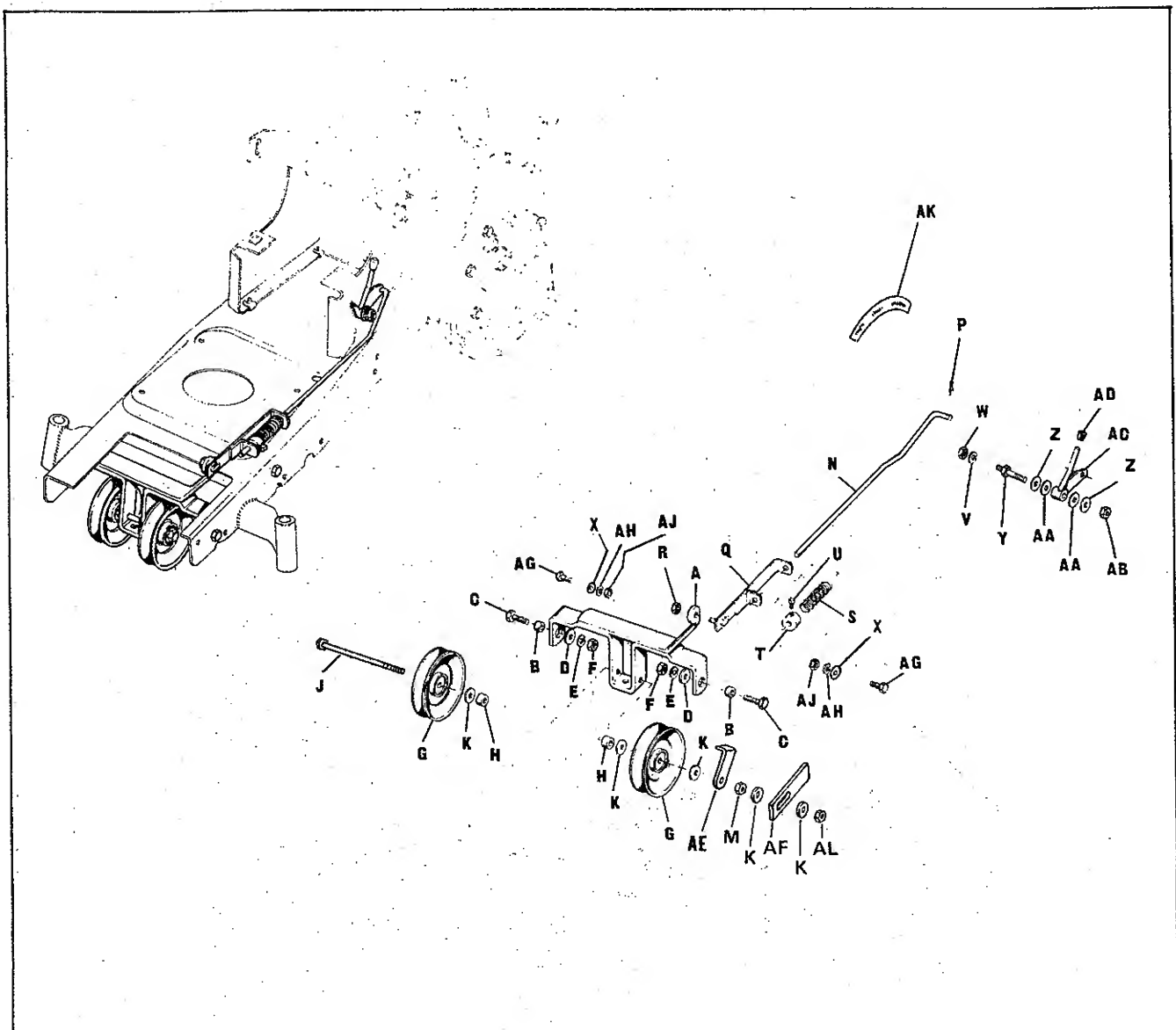


Figure 6

RECOMMENDED TIRE PRESSURES ► FRONT 9 Lbs. PSI
REAR 10 Lbs. PSI

NOTE: The tractor is shipped with all tires inflated to 25 PSI. It is very important to reduce these pressures to the above recommendations before putting the tractor into operation.

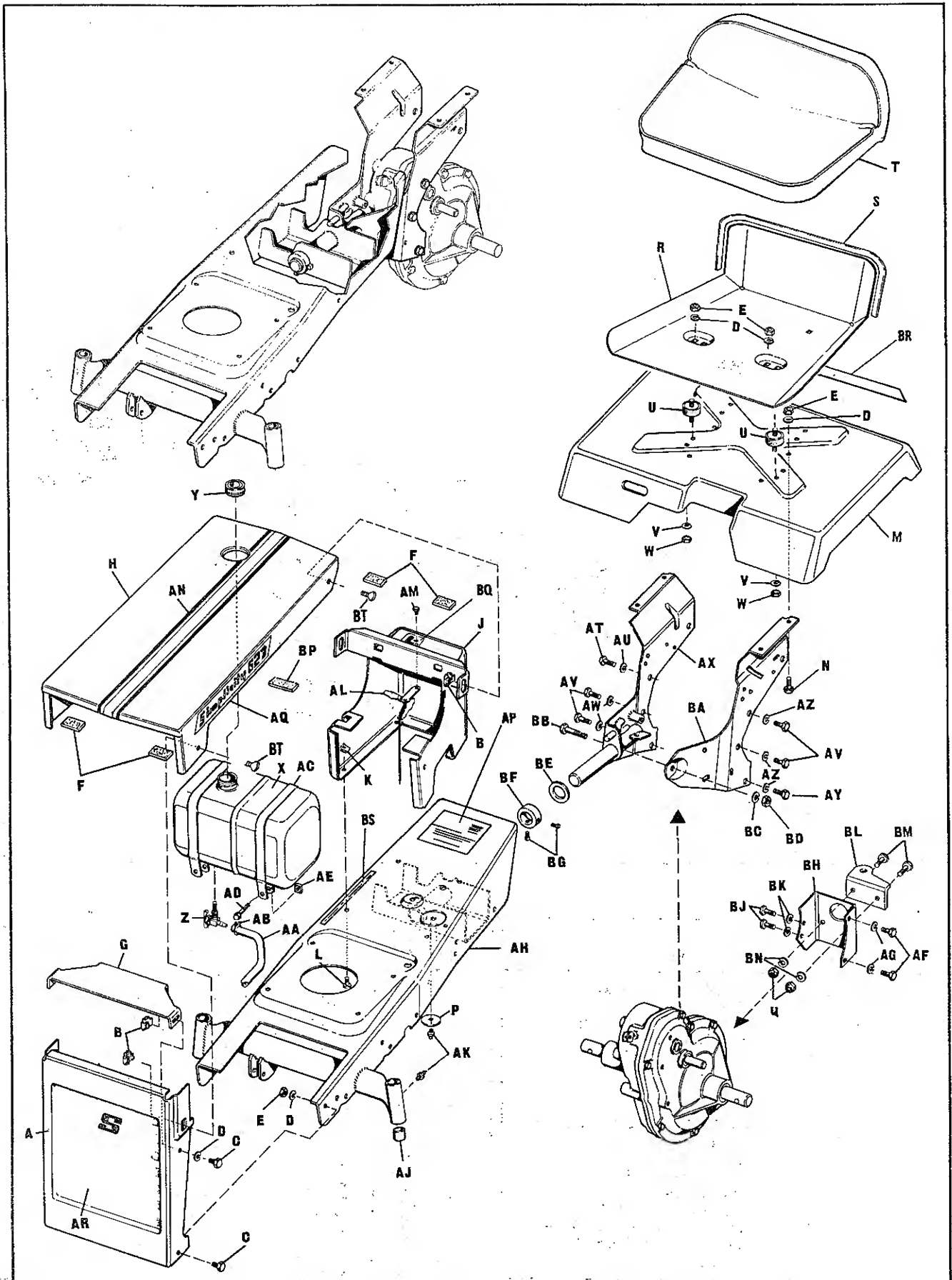
POWER TAKE OFF GROUP



| Ref. Let. | Part No. | Description |
|-----------|----------|----------------------------------|
| A | 162030 | Pulley Clevis Assembly |
| B | 154177 | Spacer |
| C | 705005 | Hex. Cap Screw, 3/8"-16 x 1" |
| D | 719001 | Plain Washer, 3/8" |
| E | 720002 | Lock Washer, 3/8" |
| F | 717003 | Full Hex. Nut, 3/8"-16 |
| G | 101096 | Pulley |
| H | 154177 | Spacer |
| J | 705066 | Hex. Cap Screw, 3/8"-16 x 4-1/2" |
| K | 719002 | Plain Washer, 5/16" |
| L | 720002 | Lock Washer, 3/8" |
| M | 717013 | Hex Nut-Jam, 3/8"-16 |
| N | 162033 | P.T.O. Clutch Rod |
| P | 722016 | Cotter Pin, 3/32" x 3/4" |
| Q | 162034 | Idler Clutch Rod Guide Assembly |
| R | 717511 | Full Lock Hex. Nut, 5/16"-18 |
| S | 162065 | Spring |

| Ref. Let. | Part No. | Description |
|-----------|----------|---------------------------------|
| T | 8191022 | Set Collar |
| U | 713001 | Set Screw, 1/4"-20 x 3/8" |
| V | 720001 | Lock Washer, 5/16" |
| W | 717001 | Full Hex. Nut, 5/16"-18 |
| X | 719002 | Plain Washer, 5/16" |
| Y | 162063 | Stud |
| Z | 719002 | Plain Washer, 5/16" |
| AA | 159134 | Nylon Washer |
| AB | 717525 | Esna Stop Nut, 5/16"-18 |
| AC | 162050 | P.T.O. Handle Assembly |
| AD | 159112 | Knob |
| AE | 162115 | Belt Stop |
| AF | 162119 | Belt Stop |
| AG | 705017 | Hex. Cap Screw, 5/16"-18 x 3/4" |
| AH | 720001 | Lock Washer, 5/16" |
| AJ | 717001 | Full Hex. Nut, 5/16"-18 |
| AK | 162093 | Decal, PTO |
| AL | 717510 | Hex Nut-Full Lock, 3/8"-16 |

FRAME, HOOD, DASH & SEAT GROUP



FRAME, HOOD, DASH & SEAT GROUP

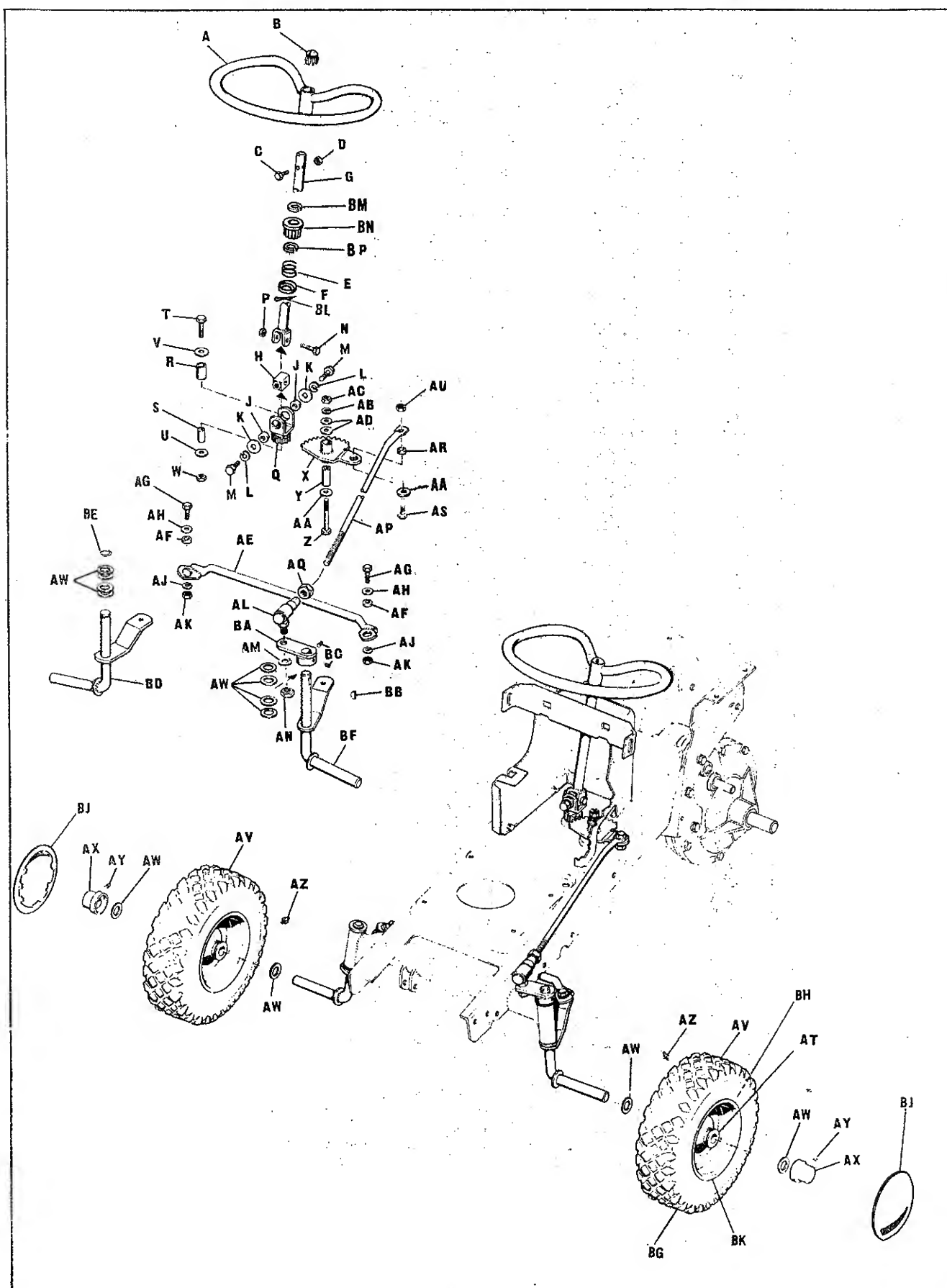
| Ref. Let. | Part No. | Description |
|--------------|-------------|--|
| A | 162036 | Grille |
| B | 718041 | Retainer Nut |
| C | 705012 | Hex. Cap Screw, 5/16"-18 x 5/8" |
| D | 720001 | Lock Washer, 5/16" |
| E | 717001 | Full Hex. Nut, 5/16"-18 |
| F | 106582 | Felt Pad |
| G | 162037 | Grille Support |
| H | 162038 | Hood |
| J | 162039 | Dash Assembly |
| K | 718038 | Tinnerman Nut |
| L | 714020 | Self Tapping Hex. Hd Screw, // 14 x 5/8" |
| M | 162105 | Seat Support |
| N | 705017 | Hex. Cap Screw, 5/16"-18 x 3/4" lg. |
| P | 719008 | Washer |
| Q | 717003 | Full Hex. Nut, 3/8"-16 |
| R | 162095 | Seat Panel |
| S | 159177 | Seat Pan Tape (2 Ft. per pan) |
| T | 162094 | Seat Pad |
| U | 159085 | Cushion Connector |
| V | 720001 | Lock Washer, 5/16" |
| W | 717001 | Full Hex. Nut, 5/16"-18 |
| X | 162043 | Fuel Tank |
| Y | 159135 | Fuel Tank Cap |
| Z | 162044 | Shut-off Valve |
| AA | 162059 | Fuel Hose |
| AB | 154372 | Hose Clamp (For Service Only) |
| AC | 162060 | Tank Strap |
| AD | 712502 | Mach. Fillister Head Screw, 1/4"-20 x 1-3/4" |
| AE | 717028 | Square Nut, 1/4"-20 |
| AF | 705019 | Hex. Cap Screw, 5/16"-18 x 1-1/4" |
| AG | 720001 | Lock Washer, 5/16" |
| AH | 162103 | Frame Assembly |
| AJ | 154289 | Bushing |
| AK | 727001 | Grease Fitting |
| AL | 162061 | Choke Control |
| AM | 714016 | Self Tapping Rec. Hex. Hd. Screw, 1/4"-20 x 1/2" |
| AN | 162074 | Hood Strip |
| AP | 162109 | Safety Decal |
| AQ | 162107 | Number Decal |
| AR | 162077 | Grille Decal |
| AS | 162106 | Serial No. Plate* |
| AT | 705004 | Hex. Cap Screw, 3/8"-16 x 3/4" |
| AU | 720002 | Lock Washer, 3/8" |
| AV | 705040 | Hex. Capscrew, 7/16"-14 x 3/4" |
| AW | 720006 | Lock Washer, 7/16" |
| AX | 165038 | Side Plate Assembly, R.H. |
| AY | 705031 | Hex. Cap Screw, 3/8"-16 x 7/8" |
| AZ | 720002 | Lock Washer, 3/8" |
| BA | 165040 | L.H. Side Plate |
| BB | 705010 | Hex. Cap Screw, 3/8"-16 x 1-3/4" |
| BC | 720002 | Lock Washer, 3/8" |
| BD | 717003 | Hex. Full Nut, 3/8"-16 |
| BE | 105050 | Washer |
| BF | 154065 | Set Collar |
| BG | 713006 | Set Screw, 5/16"-18 x 1/2" |
| BH | 156191 | Draw Bar Bracket |
| BJ | 705004 | Hex. Capscrew, 3/8"-16 x 3/4" |
| BK | 720002 | Lock Washer, 3/8" |
| BL | 156192 | Clip Draw Bar |
| BM | 705005 | Hex. Capscrew, 3/8"-16 x 1" |
| BN | 720002 | Lock Washer, 3/8" |
| BP | 158450 | Gasket, Felt |
| BQ | 162071 | Decal, Throttle |
| BR | 162086 | Decal, Yoeman |
| BS | 162072 | Decal, Clutch |
| BT | 715037 | Thumb Screw |

8

ENGINE, PULLEY, BRAKE & CLUTCH GROUP PARTS LIST

| Ref. Let. | Part No. | Description |
|--------------|-------------|----------------------------------|
| A | 156111 | Large Engine Pulley |
| B | 162049 | Small Engine Pulley |
| C | 713501 | Set Screw, 5/16"-18 x 1/2" |
| D | 154096 | Key |
| E | 162081 | "V" Belt, Drive |
| F | 8081035 | Belt Stop, 3/16" x 3/4" x 4-5/8" |
| G | 722009 | Cotter Pin |
| H | 106716 | Idler Pulley |
| J | 162021 | Pulley Bracket Assembly |
| K | 722009 | Cotter Pin, 1/8" x 3/4" |
| L | 705016 | Hex. Cap Screw, 3/8"-16 x 1-1/4" |
| M | 719002 | Plain Washer, 5/16" |
| N | 720002 | Lock Washer, 3/8" |
| P | 717003 | Full Hex. Nut, 3/8"-16 |
| Q | 165068 | Return Spring |
| R | 163002 | Clutch Rod |
| S | 156331 | Stop |
| T | 156303 | Rod Guide Assembly |
| U | 717511 | Full Lock Hex. Nut, 5/16"-18 |
| V | 8191022 | Set Collar |
| W | 713001 | Set Screw, 1/4"-20 x 3/8" |
| X | 162092 | Brake Rod |
| Y | 156304 | Rod Guide Assembly |
| Z | 717513 | Full Lock Hex. Nut, 1/4"-20 |
| AA | 157087 | Parking Brake Collar |
| AB | 157088 | Parking Brake Lock |
| AC | 121037 | Spring |
| AD | 715031 | Hex. Cap Screw, 1/4"-20 x 1/2" |
| AE | 720003 | Lock Washer, 1/4" |
| AF | 717005 | Full Hex. Nut, 1/4"-20 |
| AG | 156134 | Brake Band Assembly |
| AH | 156135 | Brake Band |
| AK | 156136 | Brake Lining |
| AL | 724502 | Tubular Brass Rivet |
| AM | 705009 | Hex. Cap Screw, 3/8"-16 x 1-1/2" |
| AN | 719002 | Plain Washer, 5/16" |
| AP | 720002 | Lock Washer, 3/8" |
| AQ | 162024 | Clutch Shaft Assembly |
| AR | 118240 | Snap Ring |
| AS | 162029 | L.H. Foot Rest |
| AT | 162054 | Foot Rest Cover |
| AU | 705004 | Hex. Cap Screw, 3/8"-16 x 3/4" |
| AV | 720002 | Lock Washer, 3/8" |
| AW | 717003 | Full Hex. Nut, 3/8"-16 |
| AX | 159181 | Spring |
| AY | 705016 | Hex. Capscrew, 3/8"-16 x 1-1/4" |
| AZ | 121342 | Plug Button |
| BA | 159096 | Wheel & Tire |
| BB | 118053 | Pin |
| BC | | Engine |
| BD | 715079 | Hex. Capscrew, 5/16"-18 x 1-1/2" |
| BE | 720001 | Lock Washer, 5/16" |
| BF | 717001 | Hex. Nut, 5/16"-18 |
| BG | 157497 | Nipple, 3/8" Std. x 1" |
| BH | 726501 | Cap, 3/8" Std. |
| BJ | 162098 | Pedal Pad |
| BK | 156211 | Hub Cap, Rear (For Service Only) |
| BL | 159155 | Wheel |
| BM | 159156 | Tire |
| BN | 728003 | Street Elbow 45 |
| BO | 705036 | Hex. Capscrew, 5/16"-18 x 2-1/2" |
| BP | 719006 | Washer |
| BQ | 705018 | Hex Capscrew, 5/16"-18 x 1-1/2" |

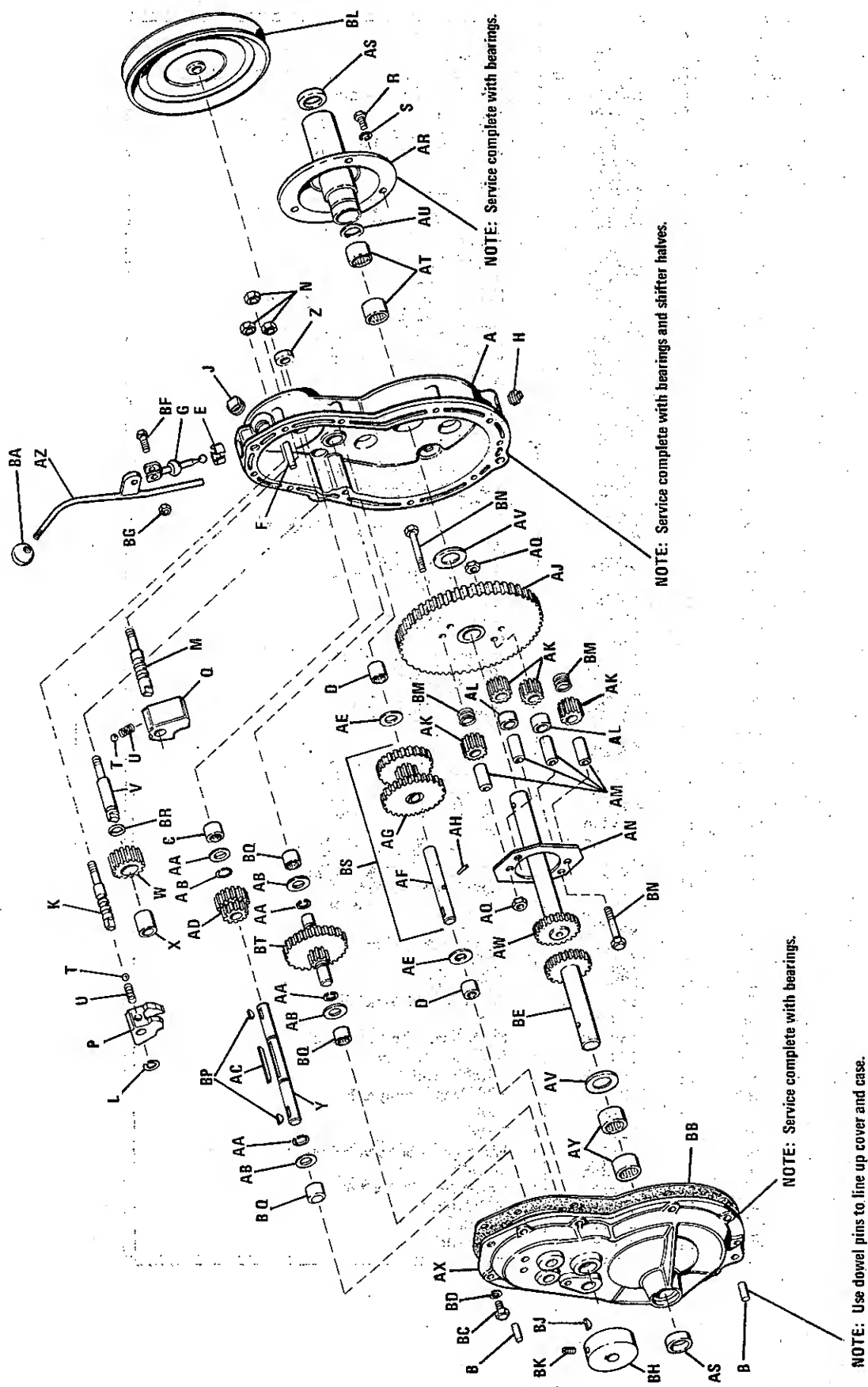
STEERING & FRONT WHEEL GROUP



STEERING & FRONT WHEEL GROUP PARTS LIST

| Ref. Let. | Part No. | Description |
|--------------|-------------|-----------------------------------|
| A | 156318 | Steering Wheel Assembly |
| B | 156279 | Plug Button |
| C | 705019 | Hex. Cap Screw, 5/16"-18 x 1-1/4" |
| D | 717511 | Full Lock Hex. Nut, 5/16"-18 |
| E | 154398 | Spring |
| F | 154399 | Spring Cup |
| G | 156029 | Steering Shaft Assembly |
| H | 154153 | Universal Joint Pin |
| J | 153081 | Spacer |
| K | 719001 | Plain Washer, 3/8" |
| L | 720002 | Lock Washer, 3/8" |
| M | 715030 | Hex. Cap Screw, 3/8"-16 x 3/4" |
| N | 715026 | Hex. Cap Screw |
| P | 717511 | Full Lock Hex. Nut, 5/16"-18 |
| Q | 156027 | Fork & Pinion Assembly |
| R | 156064 | Bushing |
| S | 8161218 | Spacer |
| T | 715075 | Hex. Cap Screw, 3/8"-16 x 1-1/2" |
| U | 719002 | Plain Washer, 5/16" |
| V | 156065 | Plain Washer |
| W | 717524 | Jam Lock Hex. Nut, 3/8"-16 |
| X | 156066 | Steering Gear Assembly |
| Y | 8061058 | Spacer |
| Z | 715043 | Hex. Cap Screw, 3/8"-16 x 2-1/2" |
| AA | 719001 | Plain Washer, 3/8" |
| AB | 720002 | Lock Washer, 3/8" |
| AC | 717003 | Full Hex. Nut, 3/8"-16 |
| AD | 8161199 | Washer |
| AE | 162013 | Drag Link Assembly |
| AF | 154177 | Spacer |
| AG | 162053 | Special Screw, 3/8"-16 x 1-1/4" |
| AH | 719001 | Plain Washer, 3/8" |
| AJ | 720002 | Lock Washer, 3/8" |
| AK | 717003 | Full Hex. Nut, 3/8"-16 |
| AL | 154301 | Ball Joint |
| AM | 720004 | Lock Washer, 1/2" |
| AN | 717008 | Full Hex. Nut, 1/2"-20 |
| AP | 162045 | Tie Rod |
| AQ | 717016 | Jam Hex. Nut, 1/2"-20 |
| AR | 121349 | Spacer |
| AS | 705005 | Hex. Cap Screw, 3/8"-16 x 1" |
| AT | 156316 | Bearing (For Service Only) |
| AU | 717510 | Full Lock Hex. Nut, 3/8"-16 |
| AV | 156179 | Wheel & Tire Assembly |
| AW | 108181 | Washer |
| AX | 156183 | Hub Cap Assembly |
| AY | 713503 | Set Screw |
| AZ | 727001 | Grease Fitting |
| BA | 156007 | Steering Lever Assembly |
| BB | 725504 | Key |
| BC | 713006 | Set Screw, 5/16"-18 x 1/2" |
| BD | 162011 | Spindle Assembly |
| BE | 157286 | Retainer Ring |
| BF | 162009 | Spindle Assembly L.H. |
| BG | 156181 | Tire |
| BH | 156182 | Tube |
| BJ | 156210 | Hub Cap, (For Service Only) |
| BK | 156180 | Wheel |
| BL | 722003 | Cotter Pin 3/16 x 1 1/4 |
| BM | 157241 | Snap Ring |
| BN | 157077 | Bushing |
| BP | 154264 | Snap Ring |

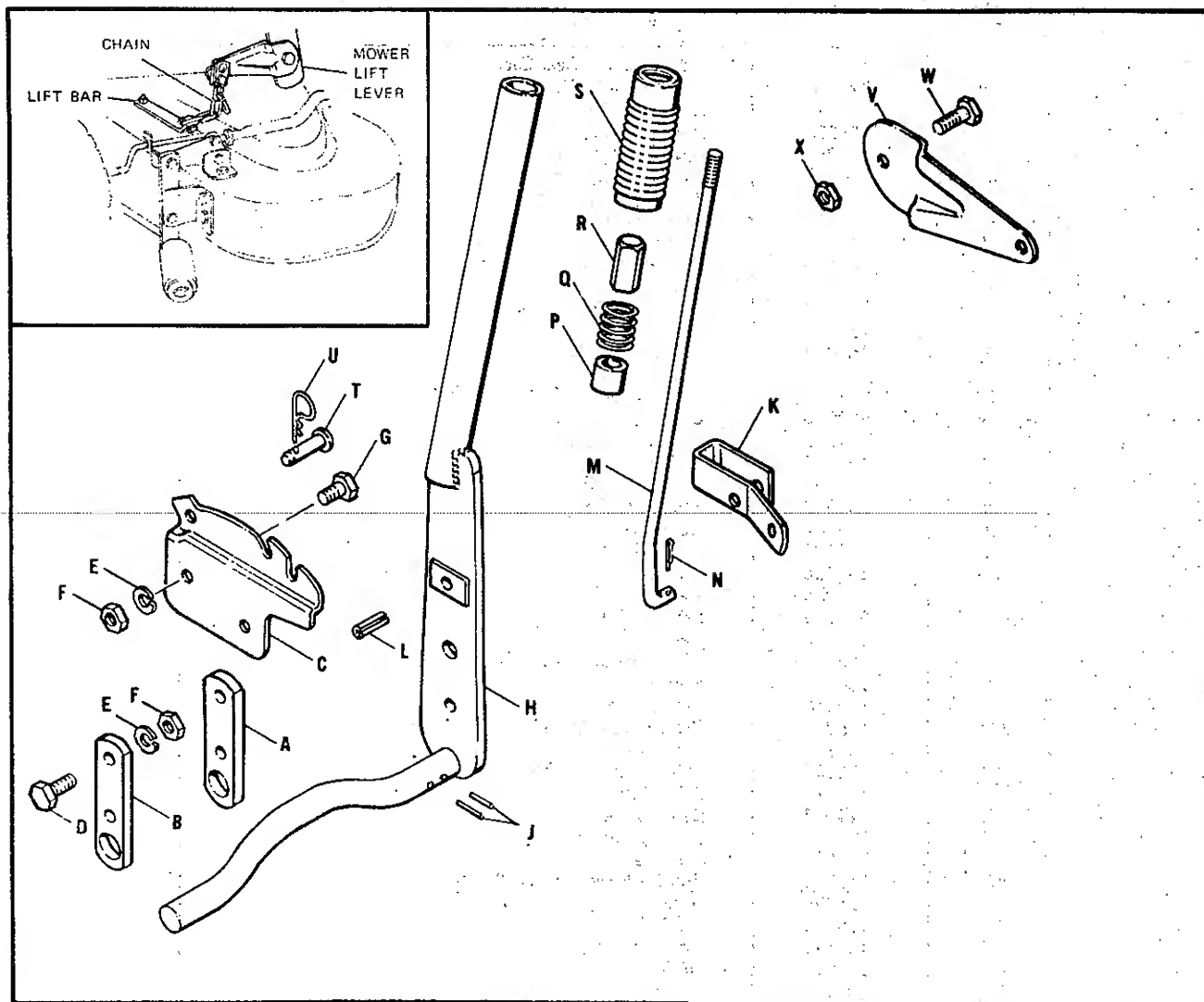
TRANSMISSION



TRANSMISSION

| Ref. Let. | Part No. | Description |
|--------------|-------------|-----------------------------------|
| A | 165003 | Sub Assembly Gear Case |
| B | 723007 | Roll Pin, 3/8" dia. |
| C | 156072 | Roller Bearing |
| D | 156073 | Roller Bearing |
| E | 101042 | Half Ball Bushing |
| F | 156308 | Sub Assembly Roll Pin |
| G | 156031 | Shift Rod Assembly |
| H | 726003 | Pipe Plug, 3/8" |
| J | 726252 | Pipe Plug |
| K | 165004 | Rev. Shift Shaft |
| L | 8061048 | Retainer Ring |
| M | 156078 | Hi-Lo Shift Shaft |
| N | 717022 | Full Hex. Nut, 7/16"-14 |
| P | 156079 | Rev. Shift Fork |
| Q | 156080 | Shift I & II Fork |
| R | 705031 | Hex. Cap Screw, 3/8"-16 x 7/8" |
| S | 720002 | Lock Washer, 3/8" |
| T | 154262 | Shift Lock Ball |
| U | 154323 | Spring |
| V | 165005 | Rev. Pinion Shaft |
| W | 165007 | Reverse Pinion |
| X | 156082 | Roller Bearing |
| Y | 165008 | Pulley Shaft |
| Z | 156084 | Oil Seal |
| AA | 156085 | Washer |
| AB | 8061048 | Retainer Ring |
| AC | 156086 | Key |
| AD | 156087 | Hi - Lo Pinion Assembly |
| AE | 156089 | Washer |
| AF | 165010 | Brake Shaft |
| AG | 165011 | Cluster Gear Assembly |
| AH | 156292 | Dowel Pin |
| AJ | 156094 | Drive Gear Assembly |
| AK | 121311 | Diff. Pinion |
| AL | 121084 | Diff. Spacer |
| AM | 121083 | Diff. Pinion Spindle |
| AN | 156002 | Diff. Plate |
| AQ | 717510 | Full Lock Hex. Nut, 3/8"-16 |
| AR | 156096 | Axle Housing Assembly |
| AS | 118118 | Oil Seal |
| AT | 105195 | Roller Bearing |
| AU | 156099 | Oil Seal |
| AV | 105083 | Washer |
| AW | 156100 | R.H. Axle Shaft Assembly |
| AX | 165018 | Gear Case Sub Assembly Cover |
| AY | 105195 | Roller Bearing |
| AZ | 165063 | Shift Lever Assembly |
| BA | 8021050 | Ball |
| BB | 156103 | Case Gasket |
| BC | 705019 | Hex. Cap Screw, 5/16"-18 x 1-1/4" |
| BD | 720001 | Lock Washer, 5/16" |
| BE | 156104 | L. H. Axle Shaft Assembly |
| BF | 705030 | Hex. Capscrew, 1/4"-20 x 3/4" |
| BG | 717513 | Full Hex. Nut, 1/4"-20 |
| BH | 165067 | Brake Drum |
| BJ | 725505 | Key |
| BK | 713503 | Set Screw |
| BL | 156119 | Pulley |
| BM | 162085 | Spring |
| BN | 705014 | Hex. Cap Screw, 3/8"-16 x 2-1/2" |
| BP | 725504 | Key |
| BQ | 156102 | Roller Bearing |
| BR | 165006 | "O" Ring |
| BS | 165009 | Shaft and Gear Assembly |
| BT | 165013 | Gear and Shaft Assembly |

LIFT LEVER GROUP

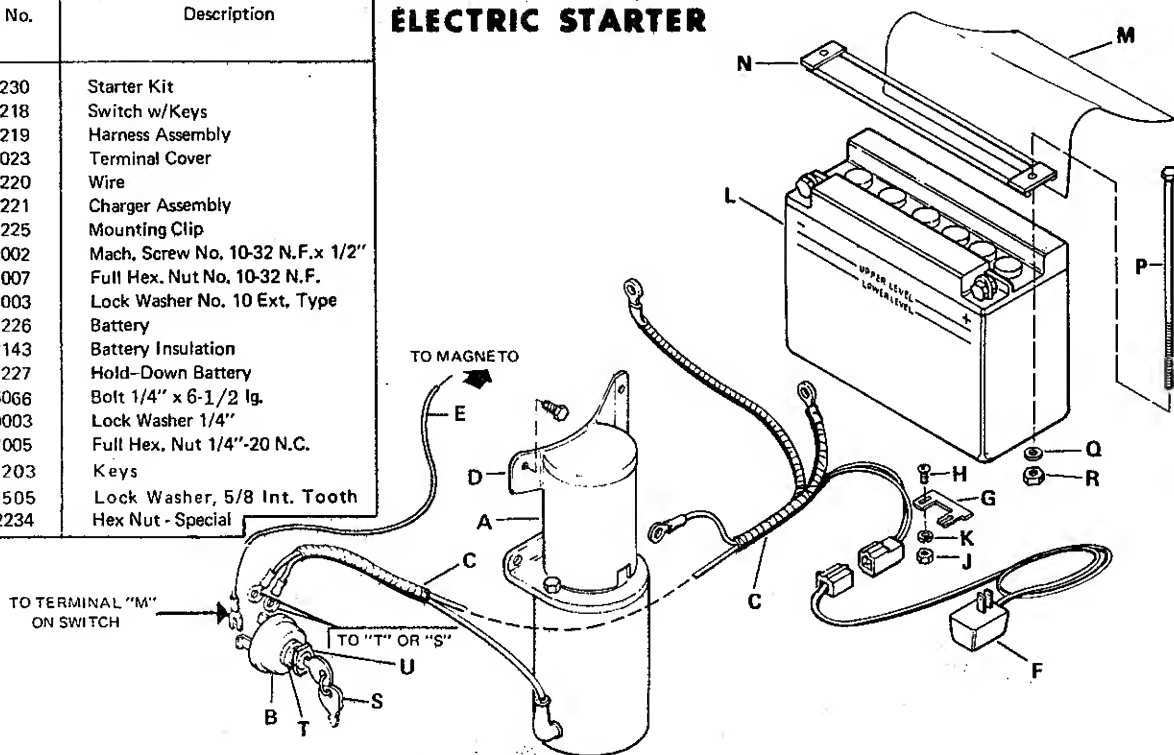


| Ref. Let. | Part No. | Description |
|-----------|----------|-----------------------------------|
| A | 162069 | R.H. Bearing Bar |
| B | 162070 | L.H. Bearing Bar |
| C | 162068 | Lift Lever Quadrant |
| D | 705005 | Hex. Cap Screw, 3/8"-16 x 1" |
| E | 720002 | Lock Washer, 3/8" |
| F | 717003 | Hex. Nut, Full, 3/8"-16 |
| G | 705004 | Hex. Cap Screw, 3/8"-16 x 3/4" |
| H | 162066 | Lift Lever Assembly |
| J | 723011 | Roll Pin 3/16" dia. x 1" |
| K | 154224 | Lift Lever Latch |
| L | 723007 | Roll Pin 3/8" dia. x 1" |
| M | 165077 | Lift Lever Latch Rod |
| N | 722001 | Cotter Pin, 3/32" dia. x 3/4" lg. |
| P | 154226 | Spacer |
| Q | 152006 | Spring |
| R | 154227 | Thumb Button |
| S | 156209 | Handle Grip |

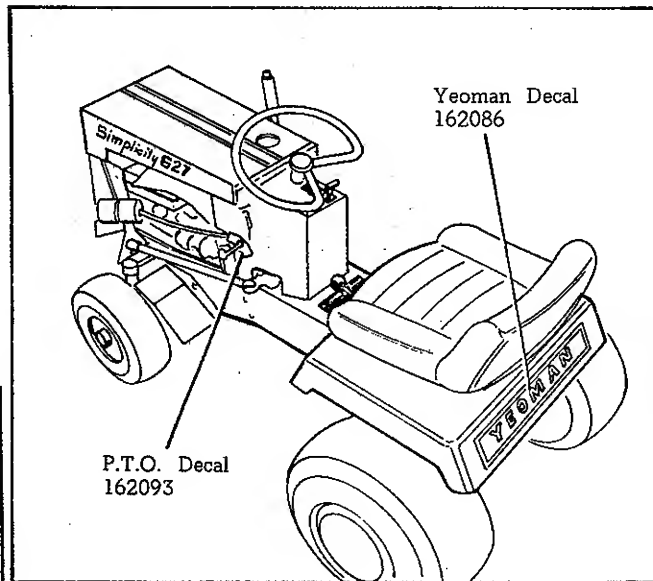
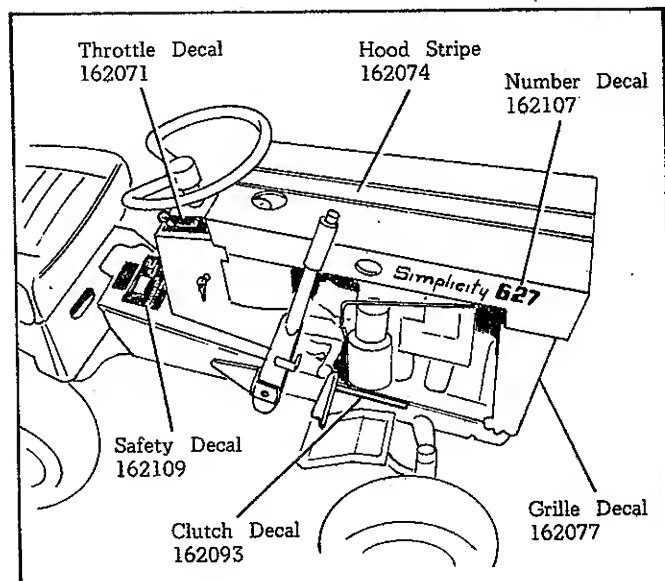
| Ref. Let. | Part No. | Description |
|-----------|----------|--------------------------------|
| T | 153058 | Pin |
| U | 8161045 | Spring Clip |
| V | 108385 | Mower Lift Lever |
| W | 705031 | Hex. Cap Screw, 3/8"-16 x 7/8" |
| X | 717510 | Hex. Nut Full Lock, 3/8"-16 |

| Ref. Let. | Part No. | Description |
|-----------|----------|----------------------------------|
| A | 122230 | Starter Kit |
| B | 122218 | Switch w/Keys |
| C | 122219 | Harness Assembly |
| D | 122023 | Terminal Cover |
| E | 122220 | Wire |
| F | 122221 | Charger Assembly |
| G | 122225 | Mounting Clip |
| H | 710002 | Mach. Screw No. 10-32 N.F.x 1/2" |
| J | 717007 | Full Hex. Nut No. 10-32 N.F. |
| K | 721003 | Lock Washer No. 10 Ext. Type |
| L | 122226 | Battery |
| M | 122143 | Battery Insulation |
| N | 122227 | Hold-Down Battery |
| P | 705066 | Bolt 1/4" x 6-1/2 lg. |
| Q | 720003 | Lock Washer 1/4" |
| R | 717005 | Full Hex. Nut 1/4"-20 N.C. |
| S | 122203 | Keys |
| T | 721505 | Lock Washer, 5/8 Int. Tooth |
| U | 122234 | Hex Nut - Special |

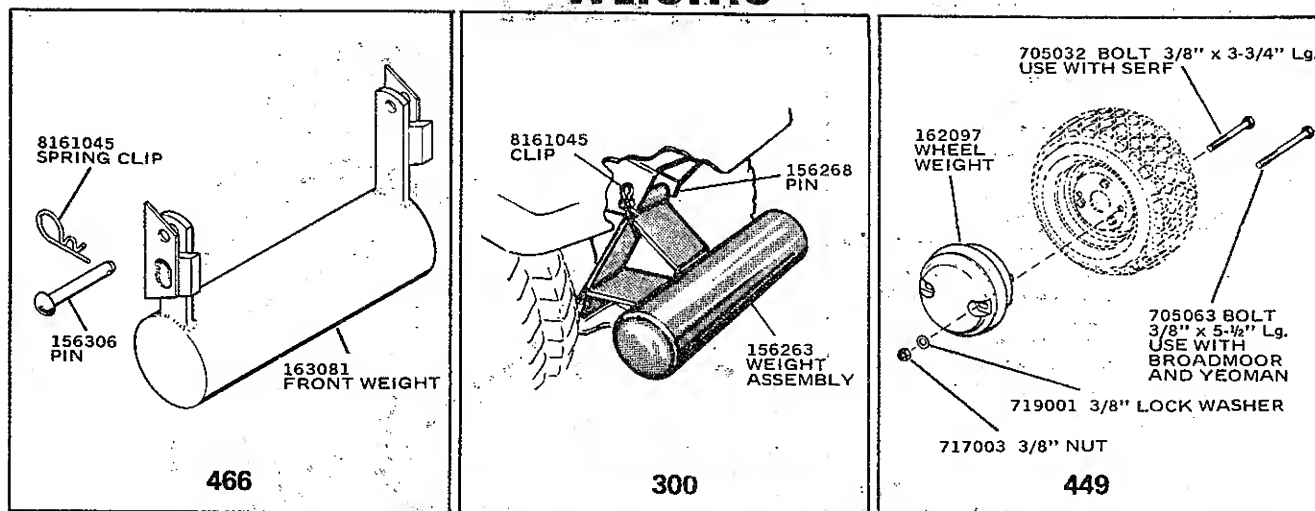
ELECTRIC STARTER



DECALS

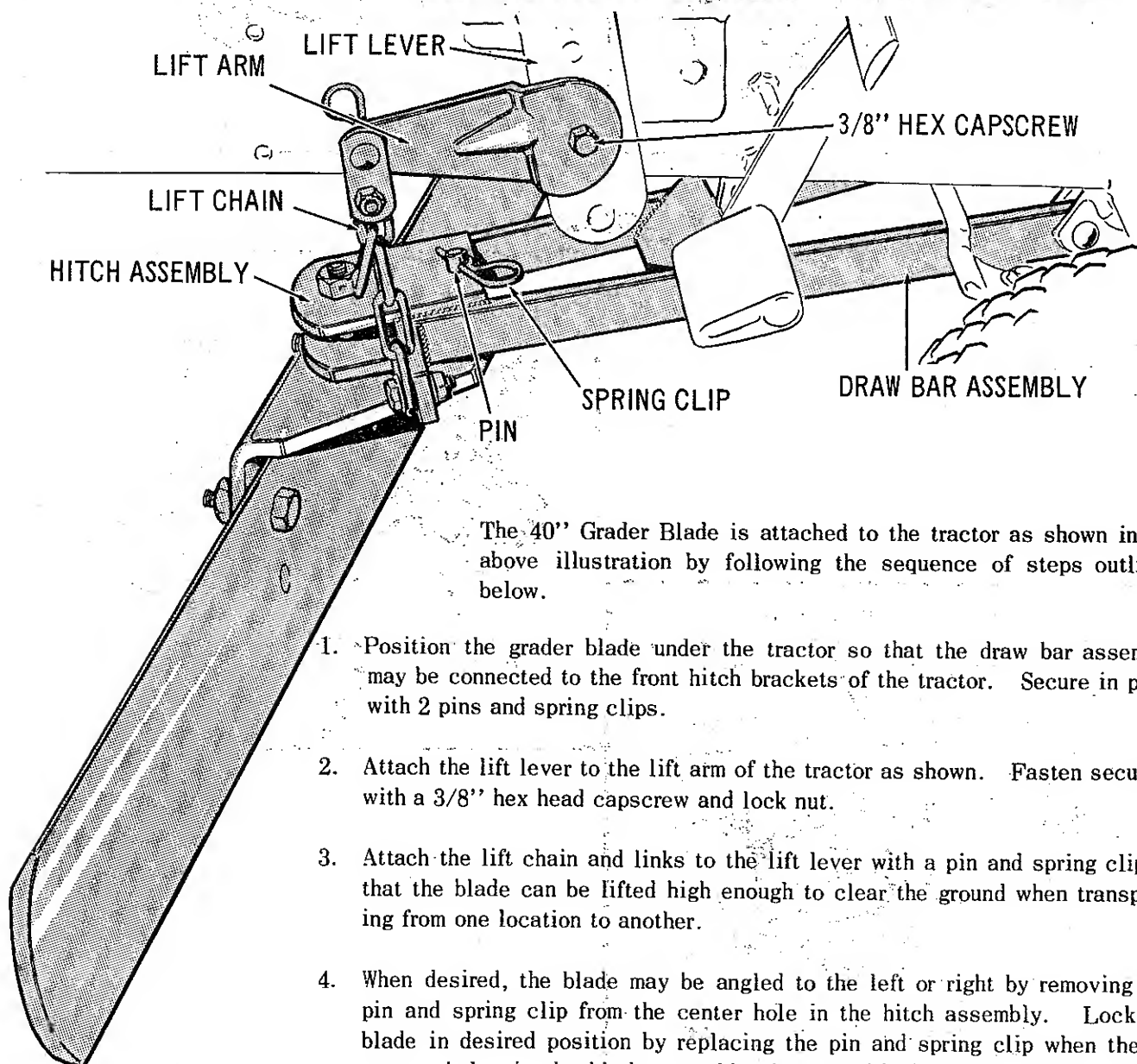


WEIGHTS



40" GRADER BLADE

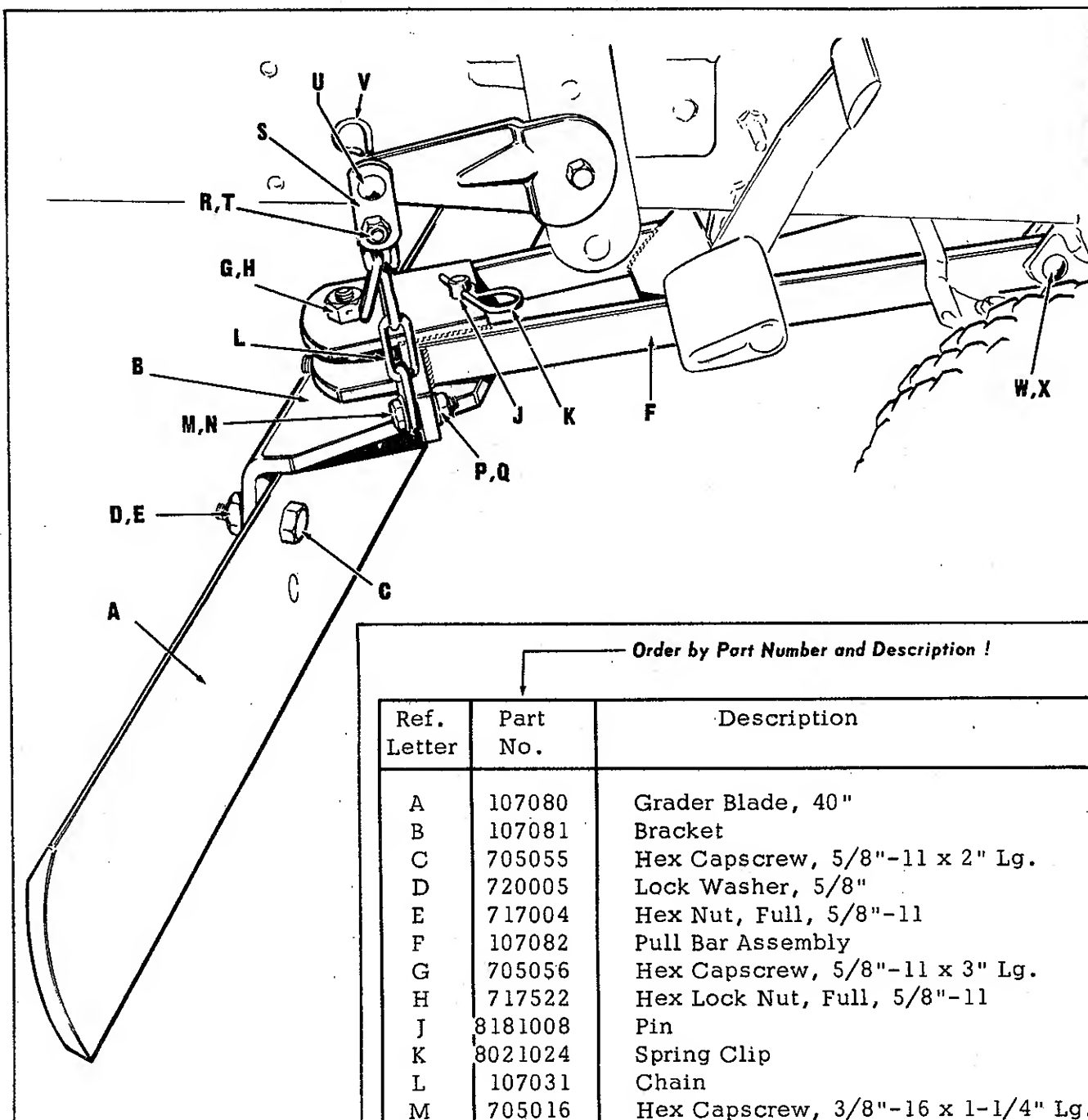
Mfgr's. No. 298



The 40" Grader Blade is attached to the tractor as shown in the above illustration by following the sequence of steps outlined below.

1. Position the grader blade under the tractor so that the draw bar assembly may be connected to the front hitch brackets of the tractor. Secure in place with 2 pins and spring clips.
2. Attach the lift lever to the lift arm of the tractor as shown. Fasten securely with a 3/8" hex head capscrew and lock nut.
3. Attach the lift chain and links to the lift lever with a pin and spring clip so that the blade can be lifted high enough to clear the ground when transporting from one location to another.
4. When desired, the blade may be angled to the left or right by removing the pin and spring clip from the center hole in the hitch assembly. Lock the blade in desired position by replacing the pin and spring clip when the alternate holes in the hitch assembly line up with the hole in the draw bar.

40" GRADER BLADE

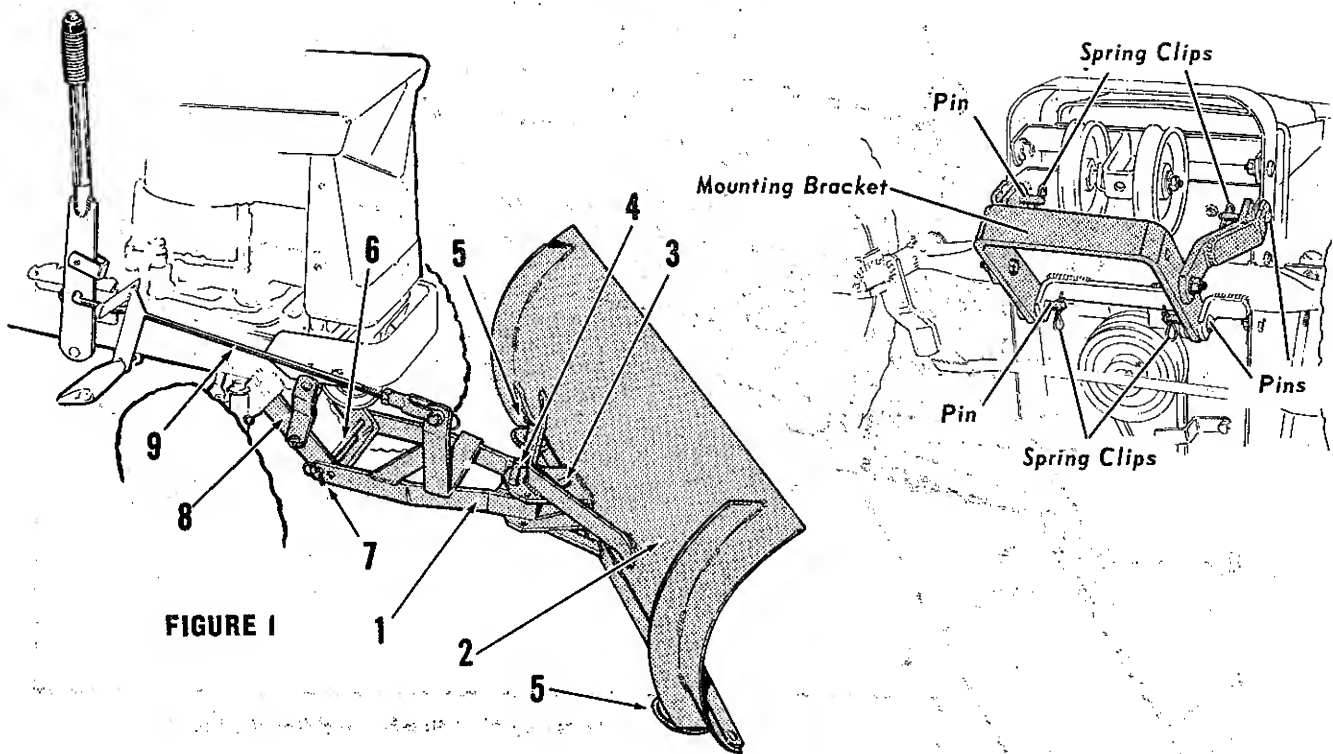


Order by Part Number and Description !

| Ref. Letter | Part No. | Description |
|-------------|----------|------------------------------------|
| A | 107080 | Grader Blade, 40" |
| B | 107081 | Bracket |
| C | 705055 | Hex Capscrew, 5/8"-11 x 2" Lg. |
| D | 720005 | Lock Washer, 5/8" |
| E | 717004 | Hex Nut, Full, 5/8"-11 |
| F | 107082 | Pull Bar Assembly |
| G | 705056 | Hex Capscrew, 5/8"-11 x 3" Lg. |
| H | 717522 | Hex Lock Nut, Full, 5/8"-11 |
| J | 8181008 | Pin |
| K | 8021024 | Spring Clip |
| L | 107031 | Chain |
| M | 705016 | Hex Capscrew, 3/8"-16 x 1-1/4" Lg. |
| N | 719001 | Plain Washer, 3/8" |
| P | 720002 | Lock Washer, 3/8" |
| Q | 717003 | Hex Nut, Full, 3/8"-16 |
| R | 715005 | Hex Capscrew, 3/8"-16 x 1" Lg. |
| S | 108199 | Link |
| T | 717510 | Hex Lock Nut, Full, 3/8"-16 |
| U | 153058 | Pin |
| V | 8161045 | Spring Clip |
| W | 118053 | Pin |
| X | 8161045 | Spring Clip |

42" SNOW PLOW & DOZER

Mfgs. No. 299



PACKING

The 42" snow plow and dozer comes packed complete in one bundle.

ASSEMBLY

Refer to Figure 1. Attach the push bar (1) to the blade (2), using a king pin (3) and install a cotter pin through the king pin. Install the pivot pin (4) through the blade assembly bracket and the push bar.

ATTACHMENT

To attach the 42" snow plow and dozer to the tractor, first attach the mounting bracket to the underside of the tractor as shown in Figure 2. Install the pins at the rear mounting holes first, and secure with spring clips. If required, the arms may be loosened and repositioned to align the mounting holes in the arms and on the tractor.

Connect the push bar (1) to the mounting bracket (8), using the long pin (6) and the spring clips (7).

Connect the lift rod (9) to the lift lever of the tractor as shown, using a spring clip. Attach the clevis end of the lift rod to the upright arm on the push bar assembly, using a pin and spring clip.

The shoe assemblies (5) are mounted to the blade using 3/8" carriage bolts, lockwashers, and nuts.

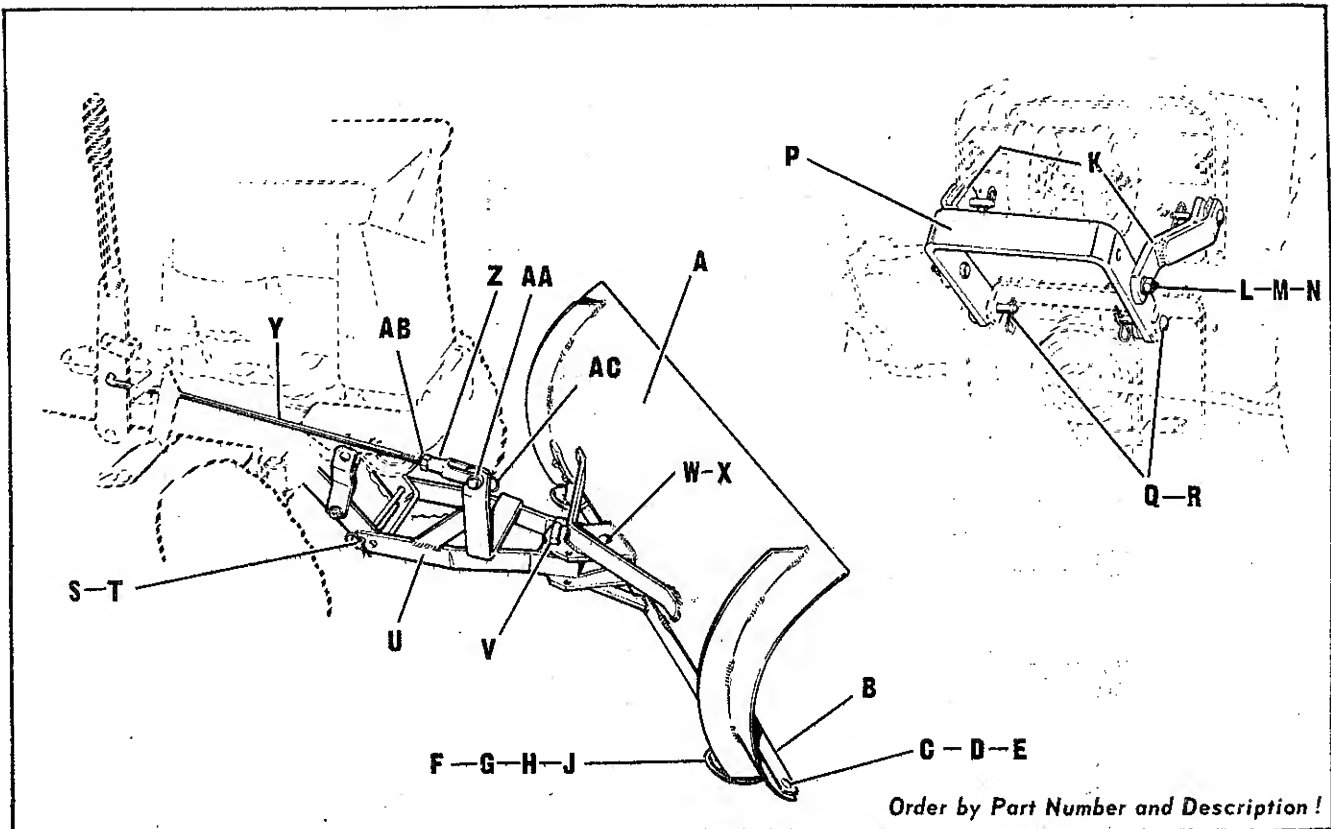
OPERATION

Alternate holes are provided to permit adjustment of the shoe assemblies for raising or lowering the blade when cleaning gravel drives or walks. When cleaning concrete, it is desirable to allow the blade to scrape the surface.

The angle of the blade is adjustable to permit plowing to the left or right by moving the pivot pin to the desired hole in the blade mounting bracket.

When using this equipment, it is recommended that chains be installed on the wheels. Loose mounting of the chains will make them self-cleaning.

42" SNOW PLOW & DOZER



| Reference Letter | Part No. | Description |
|------------------|----------|--------------------------------|
| A | 107047 | Blade Assembly, 42" |
| B | 107045 | Wear Plate |
| C | 702003 | Carriage Bolt, 3/8"-16 x 3/4" |
| D | 720002 | Lock Washer, 3/8" |
| E | 717003 | Hex Nut, Full, 3/8"-16 |
| F | 107024 | Shoe Assembly |
| G | 702002 | Carriage Bolt, 3/8"-16 x 1" |
| H | 720002 | Lock Washer, 3/8" |
| J | 717003 | Hex Nut, Full, 3/8"-16 |
| K | 107072 | Support Arm Assembly |
| L | 705016 | Hex Capscrew, 3/8"-16 x 1 1/4" |
| M | 720002 | Lock Washer, 3/8" |
| N | 717003 | Hex Nut, Full, 3/8"-16 |
| P | 107074 | Push Frame |
| Q | 118053 | Pin |
| R | 8161045 | Spring Clip |
| S | 107089 | Pivot Rod |
| T | 8161045 | Spring Clip |
| U | 107075 | Push Bar Assembly |
| V | 8181033 | Pivot Pin |
| W | 8181008 | King Pin |
| X | 8161045 | Spring Clip |
| Y | 106812 | Lift Rod |
| Z | 157631 | Adjusting Yoke |
| AA | 154305 | Yoke Pin |
| AB | 717008 | Hex Nut, Full, 1/2"-20 NF |
| AC | 8161045 | Spring Clip |

BATTERY INSTRUCTIONS

With proper care this battery should give the long service life built into it.

A battery which does not function properly is not necessarily worn out or defective. It may only need a good recharge. Therefore, if battery trouble is suspected, a full recharge and test by a competent battery man is recommended.

PUTTING DRY-CHARGED BATTERIES IN SERVICE

Remove wicks or tape covering from vent hole in filler caps. Make sure vent holes are open so battery gases produced when battery is charging can escape. If necessary, run a fine wire in vent hole to be sure it is open and free of all obstructions.

Fill battery with 1.265 specific gravity electrolyte or acid to proper level or 3/16 inch above plates and separators assuming room, battery, and electrolyte temperature is 70° - 100° Fahrenheit.

Allow battery to set for 20 minutes. Battery can then be installed but to obtain best results and maximum capacity, place battery on charge after the 20-minute setting period at 6 amperes until gravity reading is 1.265 - 1.275. If room, battery and electrolyte temperatures are below normal a longer charging period will be mandatory to bring the specific gravity up to 1.265 - 1.275.

WARNING

Under no conditions should battery be filled more than 3/16" over the plates. We cannot be responsible for damages if this warning is not observed.

CARE IN SERVICE

A hydrometer test of the battery solution should be made monthly. If the specific gravity tests 1.225 or less, the battery should be removed and thoroughly recharged. At the same time the solution level should be examined and distilled water added when necessary to retain the level of 3/16" over the plates. When necessary to add distilled water it should always be done just prior to recharging to mix the added water thoroughly into the solution.

When recharging is necessary and user does not have his own charging equipment, he should request service station to slow charge the battery at a rate of 4 to 6 amperes.

Any collection of grease or any other substance should be kept removed from the top of the battery and the top kept dry and clean at all times. The battery should be kept snug in its cradle and not permitted to get loose. If removed for charging, it should be fastened back in snugly enough to prevent any movement when in use. Vent caps should be kept tight and the small vent holes in top or side of cap be kept open at all times to permit escape of gases formed in the battery. Care should be exercised not to overfill the battery at any time and to always retain 3/16" of solution above the plates.

WINTER CARE

If battery will not be used during the winter months it should be removed and stored in a cool, dry place. Any collection of grease or other substance should be removed from the top of the battery.

The battery must be recharged monthly or whenever the hydrometer reads less than 1.225. Before reinstalling the battery in the spring, it should always be given a thorough recharge.